

PUBLIC SERVICES

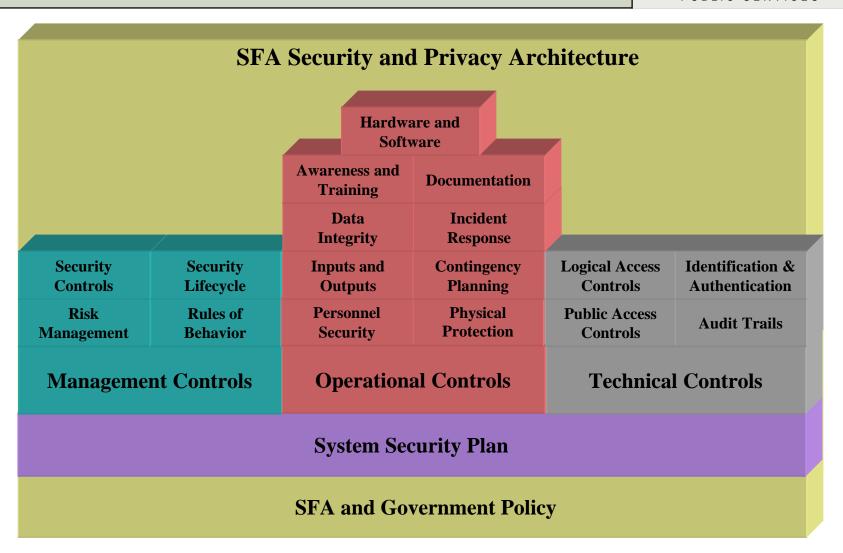
SFA Modernization Project



September 13, 2001

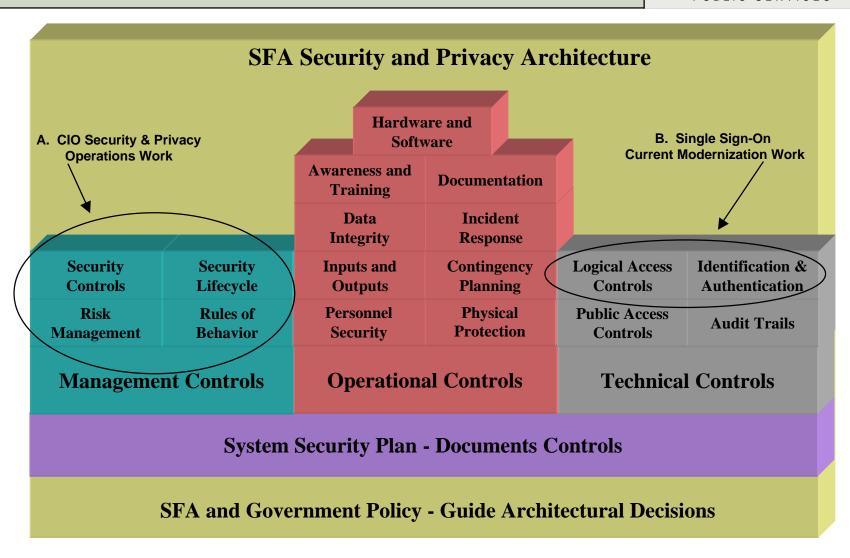
Security and Privacy Architecture





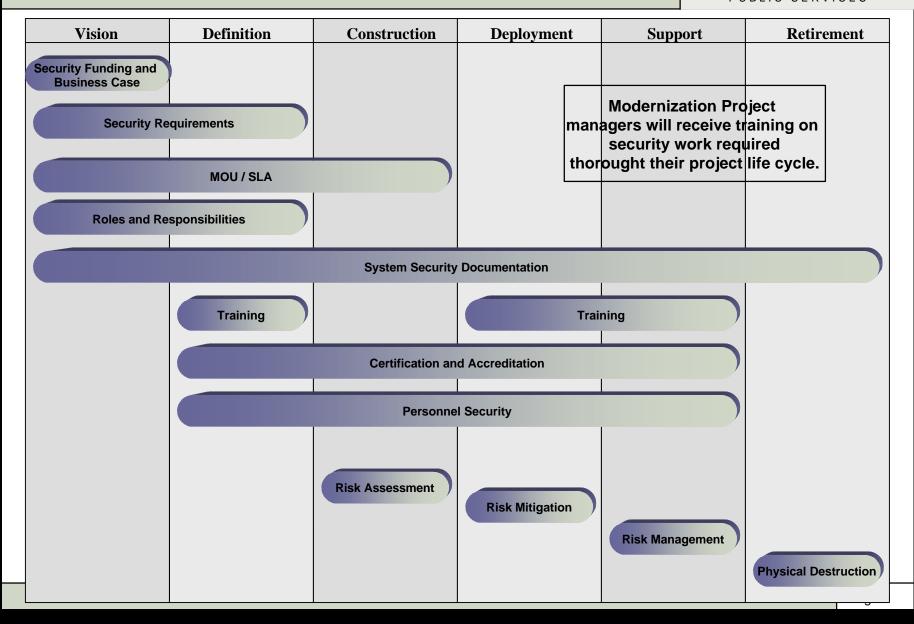
Security and Privacy Architecture





A. SDLC Security Components





A. SDLC Security Deliverables



Vision	Definition	Construction	Deployment	Support	Retirement
Business Case • Business Case					
• RFP Security Requirements • Task Order - Security	Security Identification Security Guidance Matrix Threat & Vulnerability Assessment		de	Examples of all reconcumentation will be available for pro	e made
	MOU / SLA			Managers.	
List of Business Partners	Draft MOU / SLA	• Final MOU / SLA			
Roles and Re	sponsibilities				
Assignment Letters	System Roles				
System Security Documentation					
Security Artifacts Electronic File Structure	System Interconnections	Draft Security Plan Draft COOP Draft DRP	• Final Security Plan • Final COOP • Final DRP	• Follow OMB-A130 III • Follow GISRA • Follow Federal Guidance	Retention and Destruction Plan
	Training				
	SSO Training	Training Curriculum	User Training Schedule	Annual Refresher Training New User Training	
		Certification and Accreditation			
	Project Plan	Draft SSAA	Final SSAA Certification Letter Accreditation Letter	Recertification	
	Personnel Security				
	Rules of Behavior Clearance Requirements Contractor Background Forms Contractor Access Forms	Contractor Access Letters User Background Forms User Access Forms Risk Assessment		Continuous Maintenance	
		Level of Risk Corrective Action Plan	Risk Mitigation Completed CAP Security Test Plan Test Results	Risk Management Documented Completion	
				of Test Results • Updated Operational Procedures • Updated Test Results	Physical Destruction • Sanitize, Destroy and • Archive

B. Access Control Technology



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Single Sign-On is a function of Access Control Technology (ACT). This is current Modernization Work on the Placemat.

Access Control Technology (ACT)

☐ Here are my credentials.

The process of presenting a unique identifier to an information resource.

□ Do you recognize me?

The process of verifying the user log on credentials.

□ What systems and services can I access?

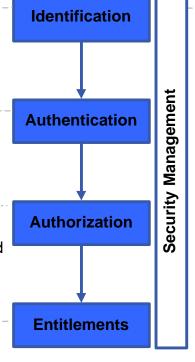
Attributes assigned to a user account that indicate what systems, applications and services the user can access.

¬What can I do in those services?

Access privileges assigned to a user account that allow the user to perform desired actions, such as View, Create, Modify, Delete or Enroll.

- □ How do I enroll for new services?
 - Potential area for significant savings.
- □ What do I do if I cannot access my account?
 - A single group could be made responsible for administration of user accounts, currently dispersed across SFA business units.
 - Individuals should have self-service capability to increase satisfaction and decrease administration cost.

Our Modernization Project has focused on building ACT as a re-usable service across the enterprise. The Single Sign-On Project for the Schools Portal is the first attempt to normalize sign-ons and increase user satisfaction.



B. Access Control Components



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ACT manages how you access services, accounts, resources and data. An
individual's identity is authenticated and the authenticated identity is used to determine
what resources, services and information the individual can access.

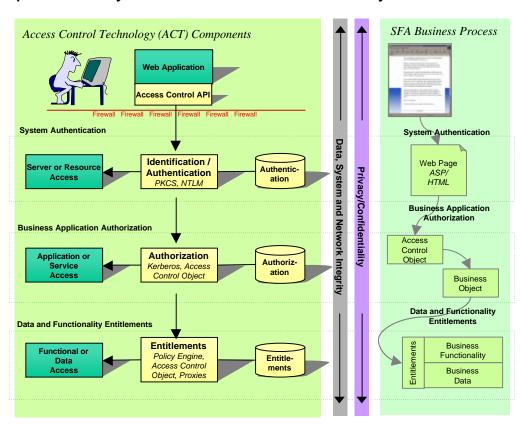
This is a tiered mechanism that can protect a systems environment at many

different levels, including:

- Granting access to a web server
- Restricting which accounts can be acted on
- Defining what services are available
- Further refining actions that can be executed within a service

Access control will be administered by both SFA and trusted partners.

User enrollment and management could be centralized to create a share in savings opportunity. (But someone will lose their current business opportunity.)



B. ACT Implementation at SFA



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Our work on Single Sign On has brought forward three findings that we did not know before: 1) User IDs must be normalized across applications; 2) A directory service is most often used to normalize IDs; and 3) SFA needs to cross business channels and assign ACT to one manager (CIO?).

